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February 6, 2001

Mr. Nolan Bennett
Environmental Health Scientist
Bernalillo County Environmental Health Department
600 Second St. NW, Suite 500
Albuquerque, NM 87102

Sent via e-mail: nbennett@bernco.gov and US Mail

RE: Transmittal of 2nd Quarterly Ground Water Sampling Results
305 Isleta SW, The Pit Stop Site; NMED/USTB Facility ID No. 24299001/29986
Contract Control No. 980473
FEI Project No. 98-01-1173-05

Dear Nolan:

Please find included herewith the report for the second quarter of ground water sampling and analysis for the subject site. Sampling was conducted on 1/26/01.

As you are aware, Faith Engineering, Inc. and their subcontractor Tecumseh Professional Associates (FEI/TPA) are preparing a work plan for remedial design at this site.

During this second quarterly ground water sampling activity, FEI, in cooperation with Pinnacle Laboratories, was able to consolidate the analysis for a limited number of polynuclear aromatics (PNAs) by EPA Method 8270 SIMS as part of an expanded EPA Method 8260. Total naphthalene concentrations (which includes mono-methyl naphthalenes) above the NMWQCC standard of 30 µg/l were found in three monitor wells. These wells, MW-1, MW-2, and MW-3 were analyzed and the following PNAs were detected respectively: 1-methyl naphthalene (38 µg/l, 20 µg/l, and 10 µg/l), 2-methyl naphthalene (49 µg/l, 25 µg/l, and 8.4 µg/l), and naphthalene (120 µg/l, 56 µg/l, and 26 µg/l). Benzene concentrations have been non-detectable in all of the wells since sampling was conducted for the initial site investigation conducted in March and June 1999. However, total xylene concentrations above the NMWQCC standard of 620 µg/l was detected in MW-1 (1,250 µg/l). This would indicate that the contaminant plume is an older, weathered one. Results of the next quarter of ground water monitoring will be provided by 5/15/01.

Please do not hesitate to contact the undersigned if you have any questions or comments regarding this matter.

Respectfully submitted,

FAITH ENGINEERING, INC.

Stuart E. Faith, P.E., C.S. #080
President

cc. w/ encls. Mr. Tom Leck – NMED/USTB
Mr. Bill Brown - TPA

FEI FILE NUMBER 98-01-1173-05

SECOND QUARTERLY SAMPLING REPORT
THE PIT STOP
305 ISLETA BLVD. SW
ALBUQUERQUE, NEW MEXICO
FACILITY #24299001/29986

PREPARED BY:

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FEBRUARY 06, 2001

PREPARED FOR:

THE BERNALILLO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
AND
THE NEW MEXICO ENVIRONMENT DEPARTMENT
UNDERGROUND STORAGE TANK BUREAU

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**COVER PAGE
FORM 1216
QUARTERLY MONITORING REPORT**

Please include the following information:

1. Site name: The Pit Stop
2. Responsible party: Mr. Nolan Bennett
3. Responsible party mailing address (list contact person if different):
Bernalillo County Environmental Health Dept.
600 2nd Street NW, Suite 500
Albuquerque, NM 87102
4. Facility number: 24299001/29986
5. Address/legal description: 305 Isleta Blvd. SW
Albuquerque, NM
6. Author/consulting company: Faith Engineering, Inc.
7. Date of report: 02/06/2001
8. Date of confirmation of release or date USTB was notified of the release:
April, 1998

STATEMENT OF FAMILIARITY

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete.

Signature: _____

Name: _____ **Stuart Faith** _____

Affiliation: _____ **Faith Engineering, Inc.** _____

Title: _____ **President** _____

Certified Scientist #: _____ **080** _____

Date: _____

I. INTRODUCTION:

I. A. Scope of Work

Faith Engineering, Inc. (FEI), in collaboration with Tecumseh Professional Associates, Inc. (TPA), has been retained by the Bernalillo County Environmental Health Department to provide professional environmental services at the Pit Stop site, 305 Isleta SW, Albuquerque, New Mexico (the Site). The location of the Site is shown on Figure 1. This report documents the second quarter of ground water sampling conducted at the site on January 26, 2001. The period covered in this report is from November 2000 to January 2001.

I. B. This quarter's highlights

This sampling event represents the second quarter of ground water quality re-examination as outlined in the work plan approval letter dated November 14, 2000. The sampling event provides the sample results with field testing of all 7 ground water monitoring wells.

II. ACTIVITIES PERFORMED DURING THIS QUARTER:

II. A. Brief description of the remediation system and date installed

There is no remediation system installed at this Site.

II. B. Description of activities performed to keep system operating properly

Not Applicable, See II. A.

II. C. Monitoring activities performed

Ground water monitoring and sampling at the Site during this quarter took place on January 26, 2001.

This quarter's sampling included the following:

- ground water elevation measurements in all wells.
- ground water sampling of monitor wells MW-1, MW-2, MW-3, MW-3D, MW-4, MW-5 and MW-6.
- laboratory analysis of ground water samples for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC), and Naphthalene and selected mono-methyl naphthalenes by an expanded EPA Method 8260.
- field testing for natural attenuation indicators of ground water samples, including Iron, Phosphate, Sulfide, Alkalinity, pH, dissolved oxygen, conductivity, temperature and nitrate.

The locations of all monitor wells are shown on Figure 1. Monitoring and sampling procedures are described in Appendix 1. Table 4 provides a historical summary of field activities at the site and

Appendix 2 contains this quarter's original Field Activity Logs. The laboratory results of the ground water analyses for the current monitoring period are shown on Table 1. Historic sampling results are shown on Table 2. Laboratory reports and the Chain of Custody Form are provided in Appendix 3.

A sheen (trace) of free product was observed in MW-1 during this sampling event. This sheen was bailed out and water samples were collected. On 9/14/00, this well had a free product thickness of 0.21 feet and on 3/2/99, it was 0.01 feet thick. MW-1 is located in the center of the former UST area. During this quarter, total naphthalene concentrations (which includes mono-methyl naphthalenes) above the NMWQCC standard of 30 µg/l were found in three monitor wells. These wells, MW-1, MW-2, and MW-3 were analyzed and the following PNAs were detected respectively: 1-methyl naphthalene (38 µg/l, 20 µg/l, and 10 µg/l), 2-methyl naphthalene (49 µg/l, 25 µg/l, and 8.4 µg/l), and naphthalene (120 µg/l, 56 µg/l, and 26 µg/l). Benzene concentrations have been non-detectable in all of the wells ever since sampling was conducted for the initial site investigation conducted in March and June 1999. However, total xylene concentrations above the NMWQCC standard of 620 µg/l was detected in MW-1 (1,250 µg/l) during this quarter.

Depth to ground water varied from 10.76 feet below ground surface (bgs) in MW-4 to 11.08 feet bgs in MW-5. All ground water elevation data including the historical data is summarized in Table 3. This quarter's measurements of ground water elevations indicate a relatively flat area of ground water on-site with a slightly defined directional flow in a south-southwesterly orientation. A water level summary map for the second quarter ground water measurements is shown on Figure 2.

II. D. System performance and effectiveness

Not Applicable, See II. A.

II. E. Statement verifying containment of release

Based on ground water sample results from site perimeter monitor wells, and a comparison with the previous sampling results, indications are that ground water contaminants appear to presently be contained on-site in the area of the former USTs. Please refer to Figure 2.

III. SUMMARY AND CONCLUSIONS:**III. A. Discussion of trends or changes noted in analytical results or site conditions**

There has not been enough sampling conducted at the site to establish definite trends. However, laboratory results obtained during this second quarter sampling event indicate that benzene concentrations in ground water remain undetectable and that a sheen of free product remains in MW-1. Total xylene concentrations have decreased in MW-2 and MW-3 since the initial sampling conducted during the Site Investigation on 3/2/99 and 6/10/99. Naphthalene concentrations have decreased slightly in MW-3 and increased slightly in MW-2 since that time (see Table 2).

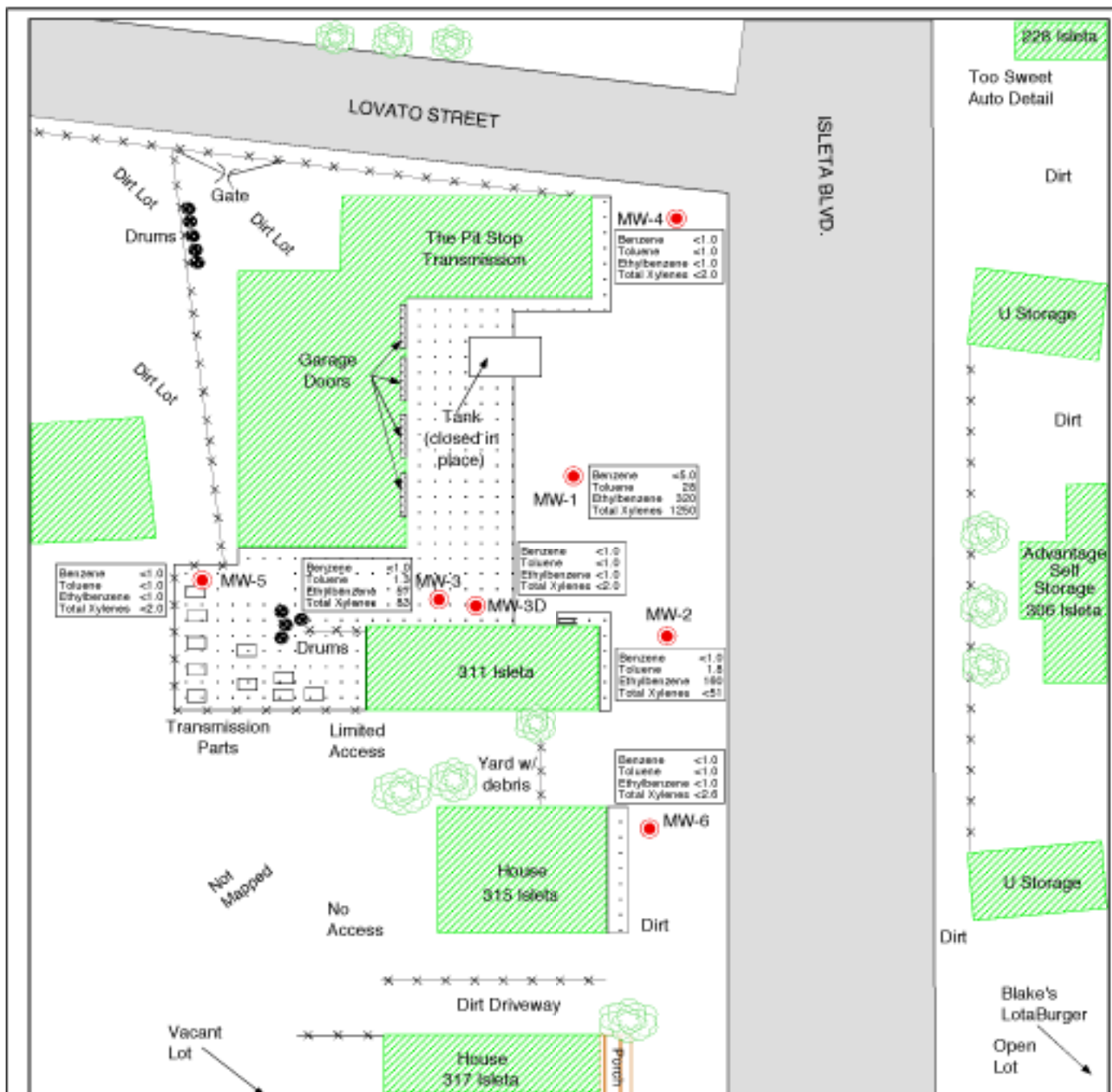
These results would indicate that the contaminant plume is an older, weathered one.

III. B. Ongoing assessment of the remediation system

Not Applicable, See II. A.

III. C. Recommendations

FEI recommends continuing site monitoring and sampling pursuant to the existing work plan approved on 11/14/00, as amended to change the report submission dates. A new work plan will be submitted shortly for conceptual remediation design at the site. The next quarterly sampling report will be submitted by 5/15/01, pursuant to the report submission date extension approval granted by the NMED/USTB on 1/30/01.



LEGEND

- Monitor Well Location
 - Building
 - Concrete
 - Fence Line
 - Trees/Vegetation
- BTEX Concentration Levels and Plume**
- | Location | Benzene | Toluene | Ethylbenzene | Total Xylenes |
|-----------------|---------|---------|--------------|---------------|
| Top Left | <1.0 | <1.0 | <1.0 | <2.0 |
| Center Building | <1.0 | <1.0 | <1.0 | <2.0 |
| Bottom Center | <1.0 | <1.0 | <1.0 | <2.0 |

0 15 30ft
Scale



Pit Stop Site

305 Isleta SW, Albuquerque, New Mexico

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TECUMSEH
PROFESSIONAL ASSOCIATES, INC.

Subject: Site Map and BTEX Concentration Levels

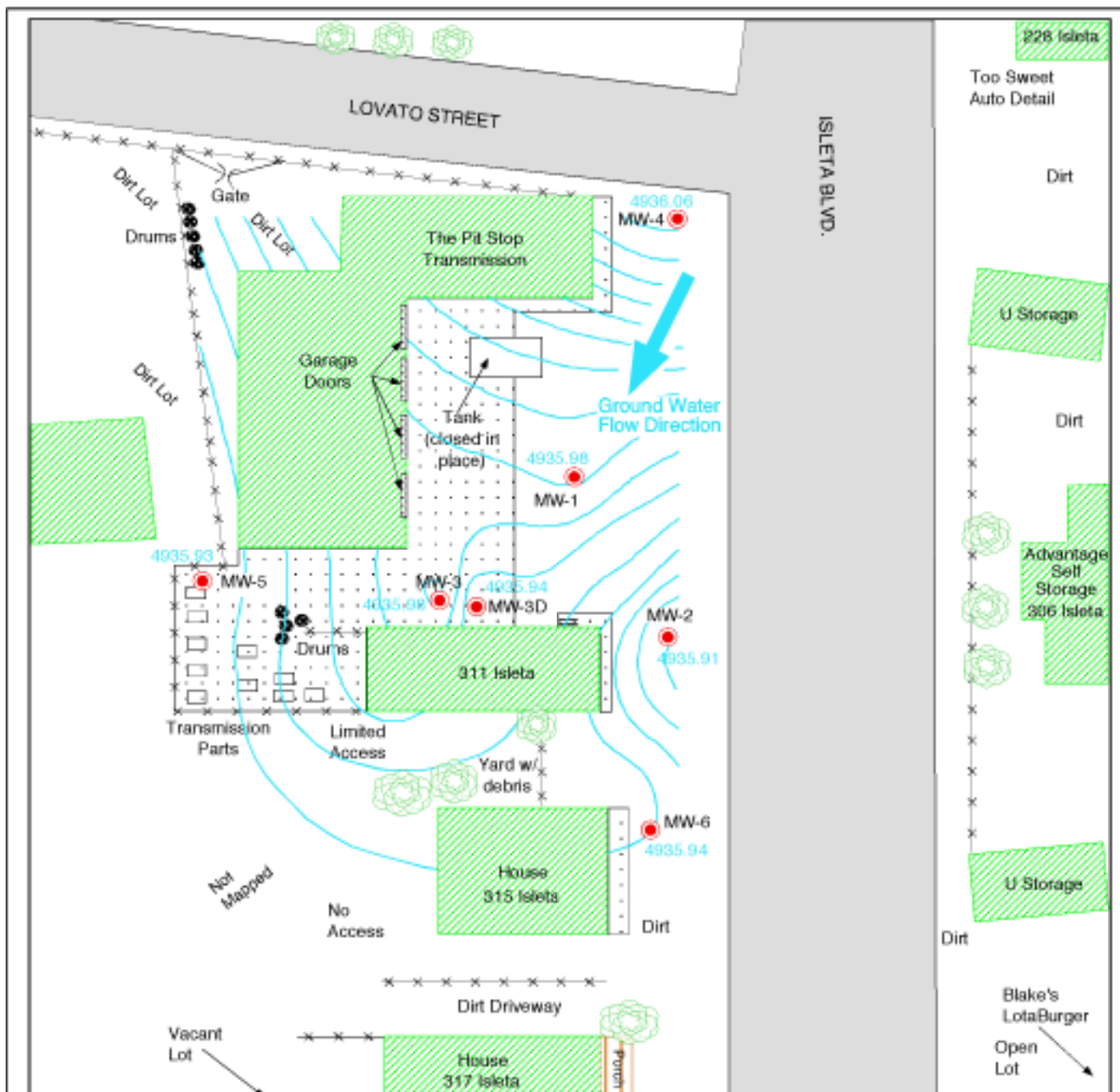
Drawn by: KGF/WJB

Client: BCEHD

Date: February 2001

Figure: 1

Project: 98-01-1173



LEGEND

- Monitor Well Location
- Building
- Concrete
- Fence Line
- ⊗ Trees/Vegetation
- Ground Water Contour 0.01 ft Intervals
- 4935.98 Ground Water Elevations

0 15 30ft
Scale



Pit Stop Site

305 Isleta SW, Albuquerque, New Mexico

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TECUMSEH
PROFESSIONAL ASSOCIATES, INC.

Subject: Ground Water Contour Map

Drawn by: KGF/WJB

Client: BCEHD

Date: February 2001

Figure: 2

Project: 98-01-1173

TABLE 1
Pit Stop 305 Isleta
00-01-1173-05 • NMED FACILITY # 24299001
CURRENT GROUND WATER ANALYSIS RESULTS

		ORGANICS											INORGANICS						INDICATORS									
LOCATION	DATE SAMPLED	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRON	PHOSPHATE	SULFIDE	ALKALINITY as CaCO ₃	DISS. O ₂	NITRATE	pH	CONDUCTIVITY	TEMP							
		µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	ug/l	µg/l	ug/l	ug/l	µg/l										mg/l	mg/l	mg/l	mg/l	mg/l	µmhos/cm	°C
		10	750	750	620	100	0.1	10	TOTAL: 30			SOLUBLE										TOTAL						
MW-1	1/26/01	< 5.0	28	320	1250	< 5.0	< 5.0	< 5.0	441	120	38	49	0.2	0.2	1.5	2.5	250	1.0	0.6	6.74	850	16.3						
MW-2	1/26/01	< 1.0	1.8	160	< 51	< 1.0	< 1.0	< 1.0	29	56	20	25	0.3	0.4	1.5	2.0	225	1.0	0.8	6.79	781	16.7						
MW-3	1/26/01	< 1.0	1.3	57	83	< 1.0	< 1.0	< 1.0	90.5	26	10	8.4	0.1	0.4	2.0	0.1	225	1.0	0.4	6.82	874	15.6						
MW-3D	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.2	0.4	1.5	0.0	150	1.5	0.8	6.88	788	15.7						
MW-4	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.6	1.5	2.0	0.0	200	2.0	1.0	6.83	706	15.4						
MW-5	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	1.5	4.0	1.0	0.0	200	2.0	1.0	6.68	673	16.6						
MW-6	1/26/01	< 1.0	< 1.0	< 1.0	< 2.6	< 1.0	< 1.0	< 1.0	< 2.0	1.8	< 5.0	< 5.0	0.3	1.5	2.0	0.0	195	1.5	1.0	6.91	774	16.9						
Rinsate	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	*	*	*	*	*	*	*	*	*						
Trip Blank	1/24/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	*	*	*	*	*	*	*	*	*	*						

Data checked _____ / _____

TABLE 2
Pit Stop 305 Isleta
00-01-1173-05 • NMED FACILITY # 24299001
HISTORY OF GROUND WATER TESTING

		ORGANICS											INORGANICS						INDICATORS				
LOCATION	DATE SAMPLED	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	MTBE	EDB	EDC	TMB	NAPHTHALENE	1-METHYL NAPHTHALENE	2-METHYL NAPHTHALENE	IRON	PHOSPHATE	SULFIDE	ALKALINITY as CaCO ₃	DISS. O ₂	NITRATE	pH	CONDUCTIVITY	TEMP		
UNITS STANDARDS		µg/l 10	µg/l 750	µg/l 750	µg/l 620	µg/l 100	µg/l 0.1	ug/l 10	µg/l	µg/l	ug/l	ug/l	µg/l SOLUBLE	mg/l TOTAL	mg/l	mg/l	mg/l	mg/l FIELD	mg/l		µmhos/cm	°C	
MW - 1	3/2/99	Not Sampled - PSH sheen											*	*	*	*	*	*	*	*	*	*	*
	9/14/00	< 1.0	1.8	160	< 51	< 1.0	< 1.0	< 1.0	550	110	*	*	0.2	0.2	1.5	0.8	185	0.5	0.6	7.06	941	22.7	
	1/26/01	< 5.0	28	320	1250	< 5.0	< 5.0	< 5.0	441	120	38	49	0.2	0.2	1.5	2.5	250	1.0	0.6	6.74	850	16.3	
MW - 2	3/2/99	< 1.0	4	310	131	< 1.0	*	< 1.0	*	17.9	*	*	*	*	*	*	*	*	*	*	*	*	
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	51.6	80	*	*	0.2	0.2	2.0	3.0	270	0.5	1.0	6.72	1045	23.7	
	1/26/01	< 1.0	1.8	160	< 51	< 1.0	< 1.0	< 1.0	29	56	20	25	0.3	0.4	1.5	2.0	225	1.0	0.8	6.79	781	16.7	
MW - 3	3/2/99	< 5.0	26	390	1570	< 5.0	< 0.01	< 5.0	*	43.8	*	*	*	*	*	*	*	*	*	*	*	*	
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	23	*	*	0.2	0.2	3.0	0.1	195	0.5	0.8	7.28	1012	22.6	
	1/26/01	< 1.0	1.3	57	83	< 1.0	< 1.0	< 1.0	90.5	26	10	8.4	0.1	0.4	2.0	0.1	225	1.0	0.4	6.82	874	15.6	
MW - 3D	6/10/99	< 1.0	< 1.0	< 1.0	1.2	< 1.0	< 0.01	< 1.0	18.6	< 1.0	*	*	*	*	*	*	*	*	*	*	*	*	
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	0.1	0.2	1.5	0.0	195	0.5	1.0	7.13	909	21.5	
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.2	0.4	1.5	0.0	150	1.5	0.8	6.88	788	15.7	
MW - 4	3/2/99	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	< 1.0	*	< 0.1	*	*	*	*	*	*	*	*	*	*	*	*	
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	0.1	0.3	4.0	0.0	175	1.0	1.0	6.71	796	22.7	
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	0.6	1.5	2.0	0.0	200	2.0	1.0	6.83	706	15.4	
MW - 5	6/10/99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.01	< 1.0	< 1.0	< 1.0	*	*	*	*	*	*	*	*	*	*	*	*	
	9/13/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	0.6	1.5	1.5	0.2	180	1.0	0.6	6.67	643	21.3	
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 5.0	< 5.0	1.5	4.0	1.0	0.0	200	2.0	1.0	6.68	673	16.6	
MW - 6	6/10/99	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.01	< 1.0	< 1.0	1.0	*	*	*	*	*	*	*	*	*	*	*	*	
	9/14/00	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	< 1.0	< 1.0	< 2.0	< 1.0	*	*	0.2	0.6	2.0	0.0	220	0.5	1.0	7.02	1012	22.7	
	1/26/01	< 1.0	< 1.0	< 1.0	< 2.6	< 1.0	< 1.0	< 1.0	< 2.0	1.8	< 5.0	< 5.0	0.3	1.5	2.0	0.0	195	1.5	1.0	6.91	774	16.9	

* - Not Sampled/Not Tested

Bold - Above Action Limits

Data checked _____ / _____

TABLE 3
00-01-1173-01 • The Pit Stop • 305 Isleta Blvd. SW
NMED FACILITY #24299001
SUMMARY OF GROUND WATER ELEVATION MEASUREMENTS

WELL NUMBER	ELEVATION (feet above datum)	DATE	STATIC (feet BG)	WATER LEVEL (feet AD)	(+) = RISING (-) = FALLING	DEPTH TO PRODUCT	PRODUCT THICKNESS
MW-1	4946.87	3/2/99	11.23	4935.64	0	11.22	0.01
		9/3/99	11.05	4935.82	0.18	-	-
		9/14/00	11.41	4935.46	-0.36	11.20	0.21
		1/26/01	10.89	4935.98	0.52	10.89	Trace
MW-2	4946.98	3/2/99	11.41	4935.57	0	-	-
		9/3/99	11.24	4935.74	0.17	-	-
		9/14/00	11.39	4935.59	-0.15	-	-
		1/26/01	11.07	4935.91	0.32	-	-
MW-3	4947.02	3/2/99	11.45	4935.57	0	-	-
		9/3/99	11.24	4935.78	0.21	-	-
		9/14/00	11.42	4935.60	-0.18	-	-
		1/26/01	11.04	4935.98	0.38	-	-
MW-3D	4946.98	6/10/99	11.26	4935.72	0	-	-
		9/3/99	11.21	4935.77	0.05	-	-
		9/14/00	11.38	4935.60	-0.17	-	-
		1/26/01	11.04	4935.94	0.34	-	-
MW-4	4946.82	3/2/99	11.11	4935.71	0	-	-
		9/3/99	10.91	4935.91	0.20	-	-
		9/14/00	11.07	4935.75	-0.16	-	-
		1/26/01	10.76	4936.06	0.31	-	-
MW-5	4947.01	6/10/99	11.37	4935.64	0	-	-
		9/3/99	11.25	4935.76	0.12	-	-
		9/13/00	11.46	4935.55	-0.21	-	-
		1/26/01	11.08	4935.93	0.38	-	-
MW-6	4947.01	6/10/99	12.20	4934.81	0	-	-
		9/3/99	11.31	4935.70	0.89	-	-
		9/14/00	11.48	4935.53	0.72	-	-
		1/26/01	11.07	4935.94	0.24	-	-

Data checked _____ / _____

Table 4
Pit Stop 305 Isleta
00-01-1173-05 • NMED Facility # 24299001
 Summary of Tasks Performed in the Field

DATE	FIELD TECH.	DESCRIPTION
2/10/99	BW	Drill MW-1, MW-2, MW-3 and MW-4.
2/11/99	BW	Take soil borings.
3/2/99	KGF	Sampling of MW-1, MW-2, MW-3, MW-4. Obtain GW levels.
5/25/99	BW	Take soil borings. Drill MW-3D.
6/1/99	BW	Drill MW-6.
6/10/99	KGF	Sampling of MW-3D, MW-5, MW-6.
8/6/99	BW	Obtain soil Physical characteristics.
9/3/99	KGF	Obtain all GW levels.
9/13/00 - 9/14/00	KGF, MB	Initial sampling round(1st Qtr)-all existing wells, site survey.
01/26/01	KGF, MB	2nd Quarterly sampling round-all wells.

Data checked _____ / _____

APPENDIX 1

Sampling Protocol

Prior to any sampling, well development or purging, all monitor wells were sounded for depth to ground water. FEI used an electronic sounder with an accuracy of ± 0.01 /foot. Ground water elevations (from datum) were determined using survey data collected during the Hydrogeologic Investigation.

Prior to any sampling event, a minimum of three (3) well bore volumes were purged from each well using a Grundfos Sampling Pump. Samples were collected in HCl preserved VOAs and placed on ice in a container for delivery to Pinnacle Laboratories, in Albuquerque, New Mexico, for analyses. The ground water samples were analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Naphthalene, Methyl-t-Butyl Ether (MTBE), TMB, Ethylene Dibromide (EDB) and Ethylene Dichloride (EDC) by EPA Method 8260 and for polynuclear aromatics (PNA) by EPA Method 8270 SIMS. Natural attenuation indicator parameters Iron, Phosphate, Sulfide, Alkalinity, pH, dissolved oxygen, conductivity, temperature and nitrate were analyzed and measured in the field using the appropriate field test kits and equipment. All EPA-approved sampling protocols were observed and a chain of custody was maintained on all samples.

APPENDIX 2

Field Notes

APPENDIX 3

Analytical Laboratory Reports